

Preheating station for Solid Surface
Material of any kind and Thermoplastics
MIKUTHERM-OPTIMAL



KOMPETENZ IN HEIZPLATTENTECHNIK + SERVICE

The ELKOM preheating station MIKUTHERM-OPTIMAL has been developed for economical, safe and protective heating of solid surface sheets as well as all thermoplastics, acrylic glass and similar material. It is the latest, most efficient and safest system on the market.

Technical features :

Top and bottom ELKOM aluminium industrial electrical heating plates (18mm thick, extremely durable)

Free-moving drawer with ball-bearing guide for easy access to table

Top table with short-stroke cylinders (pneumatic) and material thickness adjustment.

Central switch box with main switch, 2 electronic controllers up to 200°C (stepless adjustment)
Pneumatic switch for top table stroke and maintenance unit



Working areas:
all dimensions feasible according to your requirements



Vertical adjustment and lifting cylinder

Simple adjustment of material thickness



Ball-bearing table guide

Easy loading and emptying



Central switch box with precision electronic controller

Simple and safe operation



Solid surface sheets and other thermoplastics must be heated carefully. Contact heat on both sides without application of pressure to the material is ideal. MIKUTHERM-OPTIMAL meets the requirements of the raw material suppliers and fabricators. In contrast to conventional temperature control systems with folding-cover tables maximum safety is achieved with short and material-protecting cycle times. The preheating time for a 13mm solid surface sheet is only about 5 minutes. The high-quality, gold anodised ELKOM heating plates ensure protection of the material, uniform continuous temperature and extremely long life. The solid surface sheet is held flat, but not pressed by the lower table top. Any risk of colour change is avoided by the precise MIKUTHERM technology.



1
Withdraw table and place the sheets or plastics board in position.

The material thickness is adjusted by putting original material under the setscrews. Hence pressing of the sheets is prevented.



2
Push the table into the station.

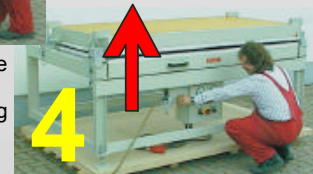
Up to 70% electrical power is saved compared to conventional folding-cover tables.

Opening and closing in only 5 seconds!



3

When the station is closed, the upper part is lowered with the stroke switch. After the heating time the upper part is raised and the table withdrawn.



4

Technical Data

Basesize 1100 x 1100 upto 3800 x 1100mm
Table height/support : 850mm
Connected load: 6,4 - 30kw according to size
Voltage: 400/690 Volt 3ph.
Temperature: 0-200°C, stepless
Material thickness: adjustable up to 25mm

All dimensions feasible on demand (upto 4000 x 1800mm)



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